



**FACSIMILE**

**RECEIVED  
CENTRAL FAX CENTER  
DEC 07 2004**

**PHILADELPHIA**  
One Liberty Place, 46th Floor  
Philadelphia, PA 19103  
215-568-3100  
Fax: 215-568-3439  
**SEATTLE**  
999 Third Avenue, Suite 1606  
Seattle, WA 98104  
206-332-1380  
Fax: 206-624-7317

**DATE: December 07, 2004**

**JOB CODE: 250922**

*Please deliver this and the following pages to:*

Examiner: **Neveen Abel Jalil**  
U.S.P.T.O. Group Art Unit: **2175**  
Telecopier No.: **703-273-4074**  
U.S. Serial No.: **09/900,059**  
Client/Matter No.: **MSFT-0580/167506.02**  
Sender's Name: **Greg Plichra**  
Pages to Follow: **7**

If transmission is not complete, please call our **Seattle Office** at (206) 332-1380.

**COVER MESSAGE:**

**PLEASE DELIVER TO EXAMINER IMMEDIATELY.**

Attached hereto is/are the following documents:

- 1) **Copy of Information Disclosure Statement sent to the PTO on Nov. 26, 2001.**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERY OF THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

**WOODCOCK WASHBURN LLP**  
A Partnership Including Professional Corporations  
[www.woodcock.com](http://www.woodcock.com)

**RECEIVED BY THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Paper:** Information Disclosure Statement (w/first class stamp, in  
dupl.); USPTO Form 1449 (2 Sheets); 22 References / All  
Copies Submitted; Postcard

**RECEIVED  
CENTRAL FAX CENTER  
DEC 07 2004**

**Title:** SYSTEM AND METHODS FOR PROVIDING  
AUTOMATIC CLASSIFICATION OF MEDIA ENTITIES  
ACCORDING TO CONSONANCE PROPERTIES

**Inventor:** Jeffrey S. Hoekman et al.

**Serial No.:** 09/900,059

**Filed:** July 6, 2001

**Docket No.:** MSFT-0580 (TEW/jjkeeler)

**Date Sent:** November 26, 2001

**RECEIVED BY THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Paper:** Information Disclosure Statement (w/first class stamp, in  
dupl.); USPTO Form 1449 (2 Sheets); 22 References / All  
Copies Submitted; Postcard

**Title:** SYSTEM AND METHODS FOR PROVIDING  
AUTOMATIC CLASSIFICATION OF MEDIA ENTITIES  
ACCORDING TO CONSONANCE PROPERTIES

**Inventor:** Jeffrey S. Hoekman et al.

**Serial No.:** 09/900,059

**Filed:** July 6, 2001

**Docket No.:** MSFT-0580

**Date Sent:** November 26, 2001

(TEW/jjkeeler)



Woodcock Washburn Kurtz  
Mackiewicz LLP

DOCKET NO.: MSFT-0580/167506.2

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Jeffrey S. Hoekman et al.

Serial No.: 09/900,059

Group Art Unit: 2171

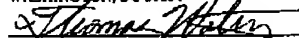
Filing Date: July 6, 2001

Examiner: Not Yet Assigned

For: **SYSTEM AND METHODS FOR PROVIDING AUTOMATIC  
CLASSIFICATION OF MEDIA ENTITIES ACCORDING TO  
CONSONANCE PROPERTIES**

DATE OF DEPOSIT: 11/26/01

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL  
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID  
ON THE DATE INDICATED ABOVE AND IS ADDRESSED  
TO THE ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, DC 20231



TYPED NAME: Thomas E. Watson  
REGISTRATION NO.: 43,243

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

DOCKET NO.: MSFT-0580/167506.2 - 2 -

PATENT

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

DOCKET NO.: MSFT-0580/167506.2 - 3 -


PATENT

- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.  
This form is submitted in duplicate.

An English language abstract has been provided for any references which are not in the English language.

Date: 11/26/01

  
Thomas E. Watson  
Registration No. 43,243

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

© 2001 W/W



Sheet 2 of 3

<b>Form PTO-1449 Modified</b>		<b>Docket No.</b> MSFT-0580/167506.2	<b>Serial No.</b> 09/900,059
<b>List of Patent and Publications</b> Cited by Applicant (Use several sheets if necessary)  <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>		<b>Applicant</b> Jeffrey S. Hoekman et al.	
		<b>Filing Date</b> July 6, 2001	<b>Group</b> 2171
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AB</b>	Chen, A.L.P. et al., "Query by music segments: an Efficient Approach for Song Retrieval," <i>Proceedings of International Conference on Multimedia and Expo.</i> , New York, NY, July 30-August 2, 2000, 2, 873-876	
	<b>AC</b>	Chen, J.C.C. et al., "Query by Rhythm: an Approach for Song Retrieval," <i>Proceedings Eighth International Workshop on Research Issues in Data Engineering. Continuous-Media Databases and Applications</i> , Orlando, Florida, February 23-24, 1998, 139-146	
	<b>AD</b>	Davies, S.C. et al., "An Adaptive Technique for Automated Recognition of Musical Tones," <i>Conference Record of the Thirtieth Asilomar Conference on Signals, Systems, and Computers</i> , Pacific Grove, California, November 3-6, 1996, 2, 1138-1141	
	<b>AE</b>	Francu, C. et al., "Distance Metrics and Indexing Strategies for a Digital Library of Popular Music," <i>Proceedings of International Conference on Multimedia and Expo.</i> , New York, NY, July 30-August 2, 2000, 2, 889-892	
	<b>AF</b>	Goldberg, I. et al., "The Ninja Jukebox," <i>2<sup>nd</sup> USENIX Symposium on Internet Technologies and Systems</i> , Boulder, Colorado, October 11-14, 1999, 37-46	
	<b>AG</b>	Hoffbeck, J.P., "A Method for Hiding Useful Information in Digital Audio Signals," <i>Computers in Education J.</i> , 2001, 11(1), 7-11	
	<b>AH</b>	Logan, B. et al., "Music Summarization Using Key Phrases," <i>Proceedings of 2000 International Conference on Acoustics, Speech and Signal Processing</i> , Istanbul, Turkey, June 5-9, 2000, 2, 749-752	
	<b>AI</b>	McNab, R.J. et al., "Towards the Digital Music Library: Tune Retrieval from Acoustic Input," <i>Proceedings of the 1<sup>st</sup> ACM International Conference on Digital Libraries</i> , Bethesda, Maryland, March, 1996, 11-18	
	<b>AJ</b>	McNab, R.J. et al., "Tune Retrieval in the Multimedia Library," <i>Multimedia Tools and Applications</i> , 2000, 10(2-3), 113-132	
	<b>AK</b>	McNab, R.J. et al., "The New Zealand Digital Library MELody inDEX," <i>D-Lib Magazine</i> , 1997, <a href="http://www.dlib.org/dlib/may97/melindex/05witten.html">http://www.dlib.org/dlib/may97/melindex/05witten.html</a> , 8 pages	
	<b>AL</b>	Ozimek, E. et al., "Thresholds of Perception of Irregular Signal Frequency Changes," <i>Archives of Acoustics</i> , 1985, 10(2), 123-141	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

Sheet 3 of 3

<b>Form PTO-1449 Modified</b>		<b>Docket No.</b> MSFT-0580/167506.2	<b>Serial No.</b> 09/900,059
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Jeffrey S. Hoekman et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date July 6, 2001	Group 2171
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AM	Rabson, G. et al., "The National Tune Index: a Systems Overview," <i>Computers and the Humanities</i> , 1981, 15(3), 129-137	
	AN	Schludermann, B., "Quantity versus quality. II. Setting up a database for a quantitative analysis of German/Dutch language mixtures in late medieval song MSs," <i>Proceedings of the 5<sup>th</sup> International Conference and Exhibition on Multi-Lingual Computing</i> , Cambridge, UK, April 11-13, 1996, 7/6/1-11	
	AO	Sonoda, T. et al., "A WWW-based Melody Retrieval System," <i>1998 International Computer Music Conference</i> , October, 1988, 349-352	
	AP	Spyridis, H. et al., "Fourier Analysis and Information Theory on a Musical Composition," <i>Acustica</i> , 1983, 52(4), 255-262	
	AQ	Tang, M. et al., "Selection of Melody Lines for Music Databases," <i>Proceedings 24<sup>th</sup> Annual International Computer Software and Applications Conference</i> , Taipei, Taiwan, October 25-27, 2000, 243-248	
	AR	Umemoto, T. et al., "Construction of Transcription System and Comparison of Peak Extraction Methods," <i>Trans. Of the Soc. Of Instrument and Control Engineers</i> , 1993, 29(10), 1227-1231 (English language abstract included)	
	AS	Yang, C.Y. et al., "Korean Folk Song Retrieval Using Rhythm Pattern Classification," <i>Proceedings of Fifth International Symposium on Signal Processing and its Applications</i> , Brisbane, Australia, August 22-25, 1999, 1, 123-126	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	